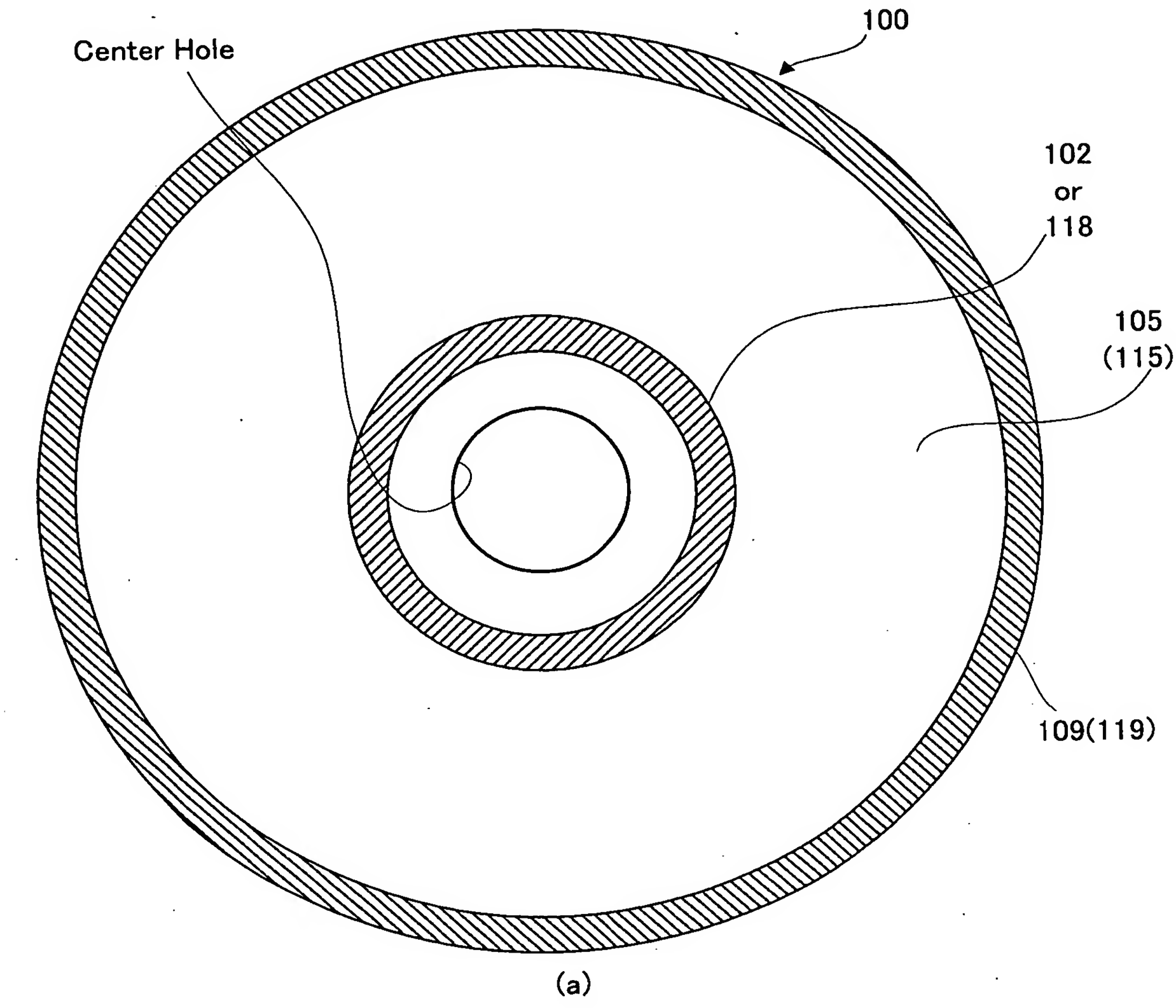
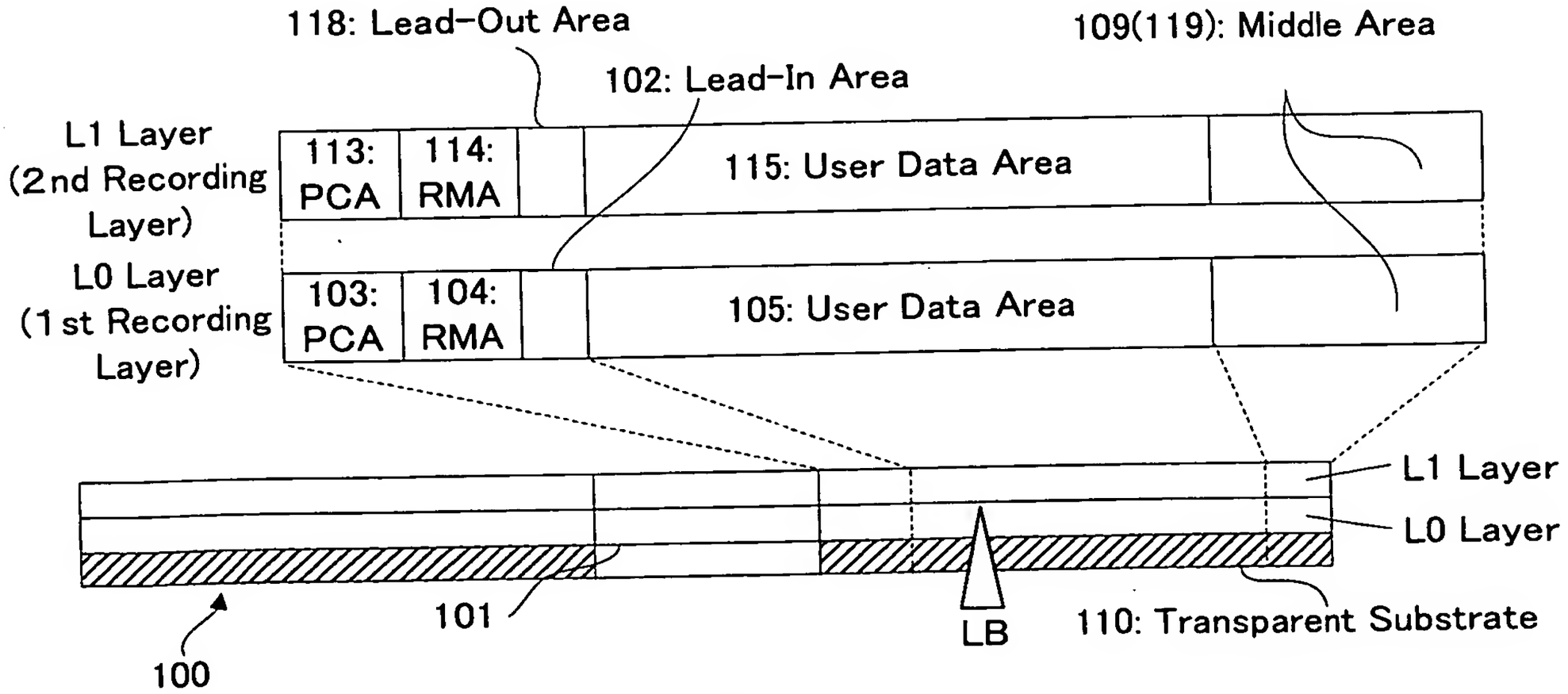
[FIG. 1]



(a)

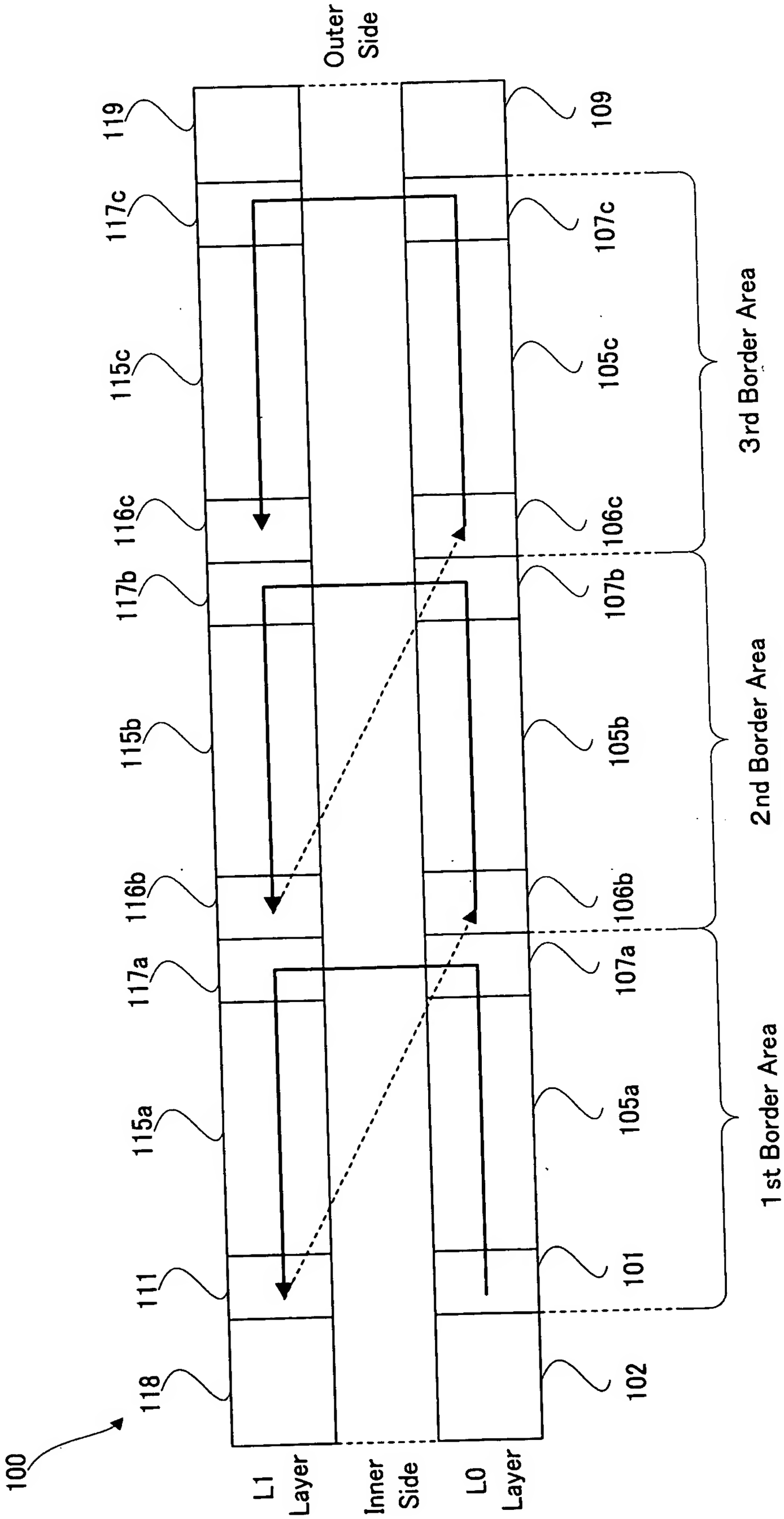
118: Lead-Out Area

109(119): Middle Area



(b)

[FIG. 2]


Outer Side
119
109
117c
107c
115c
105c
116c
106c
3rd Border Area
117b
107b
115b
105b
2nd Border Area
116b
106b
117a
107a
115a
105a
1st Border Area
111
101
118
102
100
L1 Layer
Inner Side
L0 Layer

[FIG. 3]

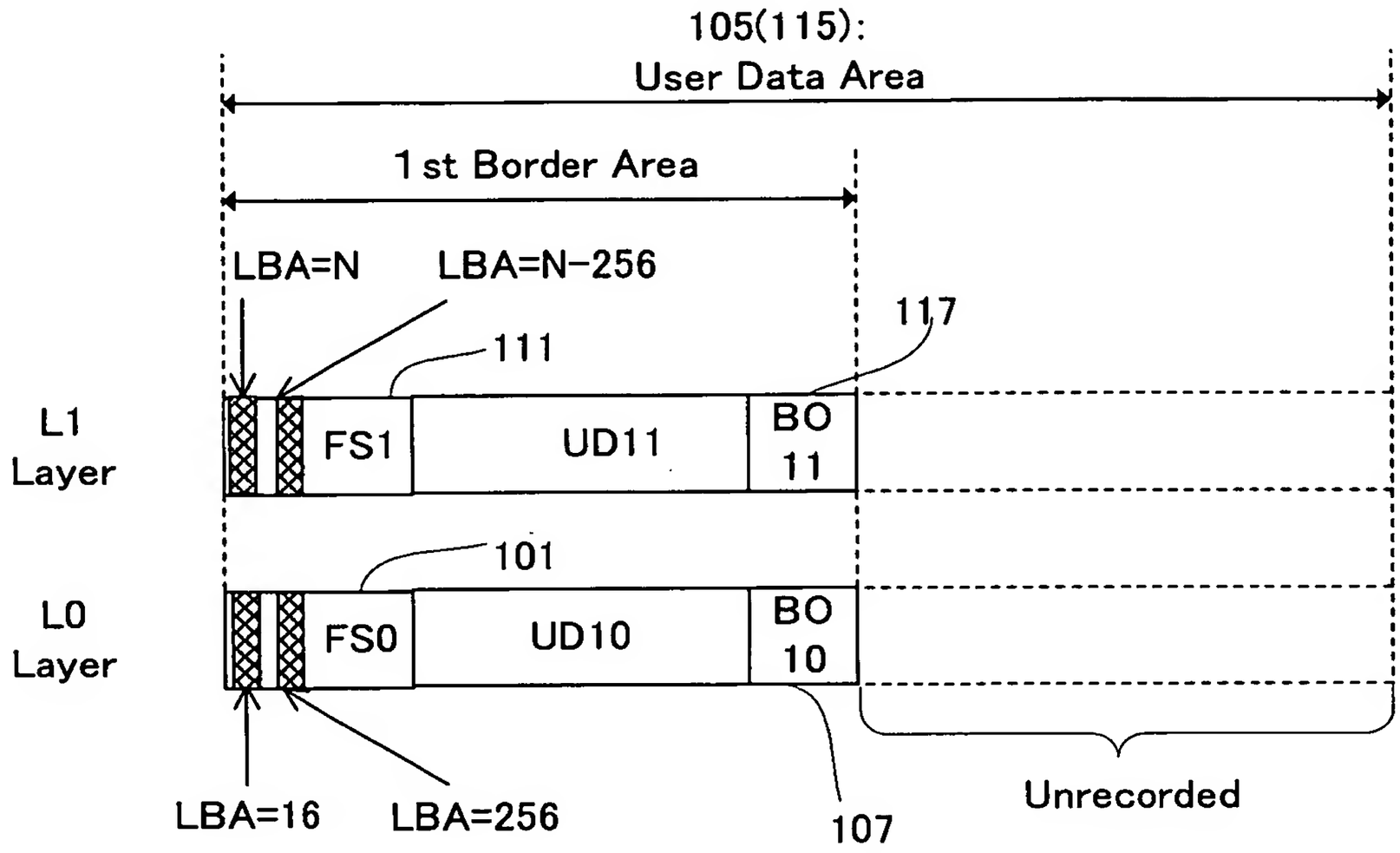
Byte Position	Content
0 to 3	Update Block Sector Pointer (AP#1)
4 to 7	Update Block Sector Pointer (AP#2)
8 to 11	Update Block Sector Pointer (AP#3)
12 to 15	Update Block Sector Pointer (AP#4)
16 to 31	Reserved
32 to 35	Start Sector No. (Border Out: L0)
36 to 39	Start Sector No. (Border Out: L1)
40 to end	Other

121

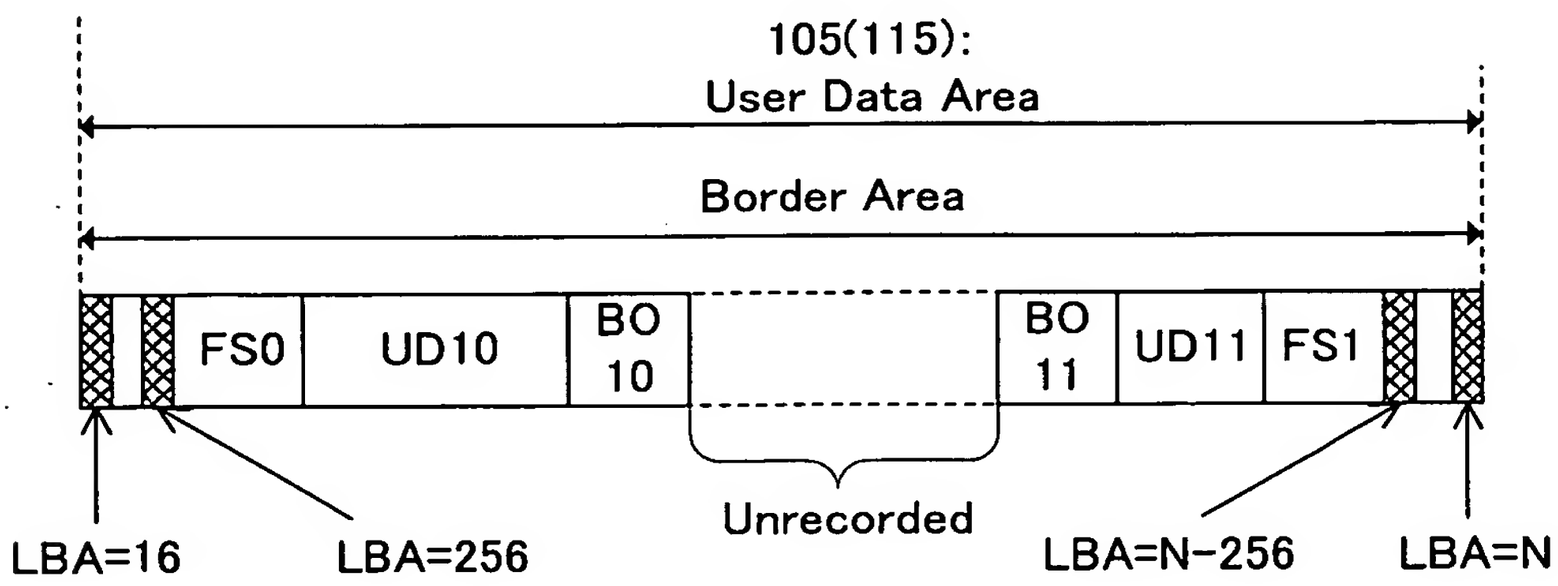
[FIG. 4]

Anchor Point	Logical Block Address	Content
AP#1	16h	VRS
AP#2	256h	AVDP
AP#3	LRA−256h	AVDP
AP#4	LRA	VAT__ICB

[FIG. 5]


105(115):
User Data Area
1 st Border Area
LBA=N
LBA=N-256
117
111
L1
Layer
FS1
UD11
BO
11
101
L0
Layer
FS0
UD10
BO
10
LBA=16
LBA=256
107
Unrecorded

(a)


105(115):
User Data Area
Border Area
FS0
UD10
BO
10
BO
11
UD11
FS1
Unrecorded
LBA=16
LBA=256
LBA=N-256
LBA=N

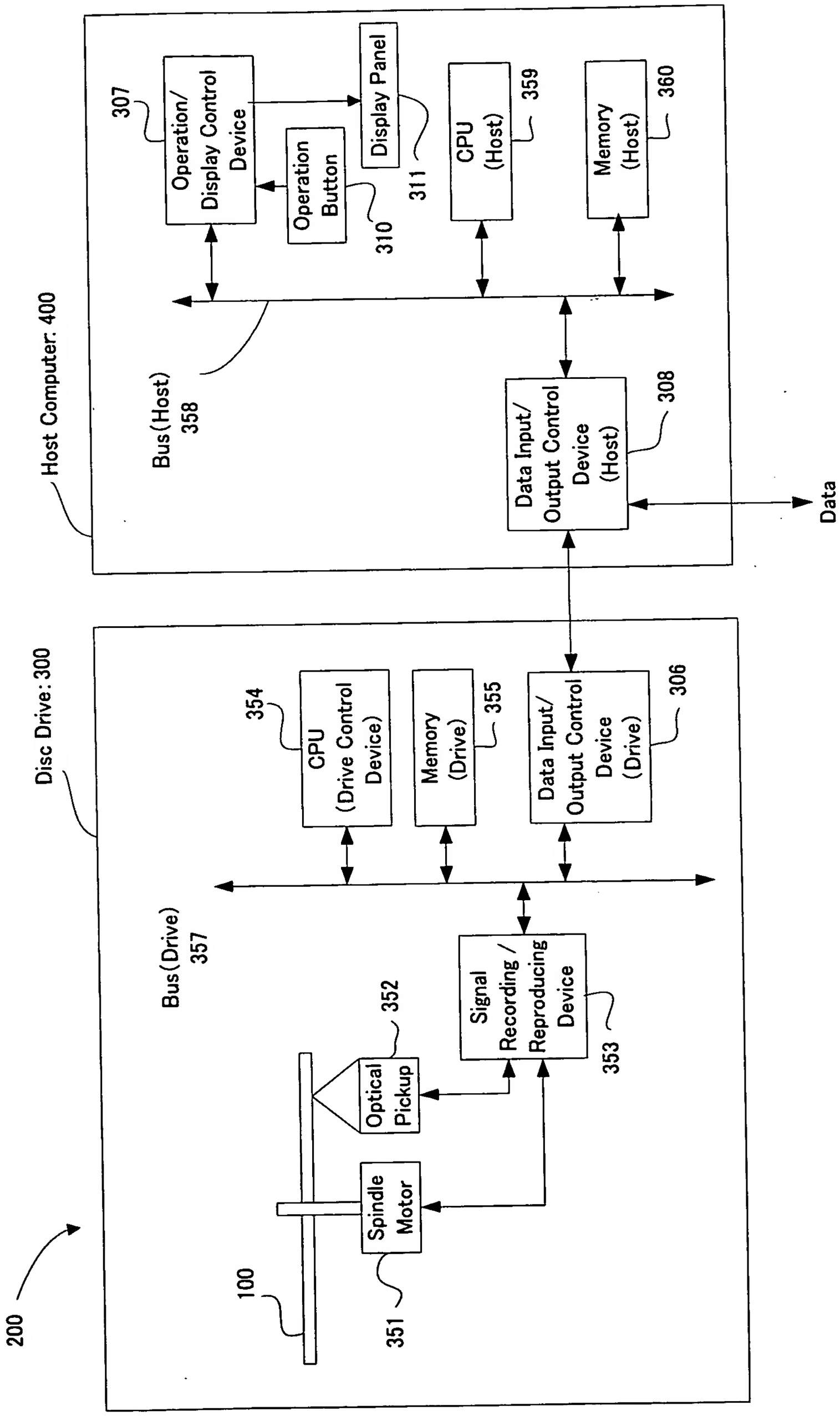
(b)

[FIG. 6]

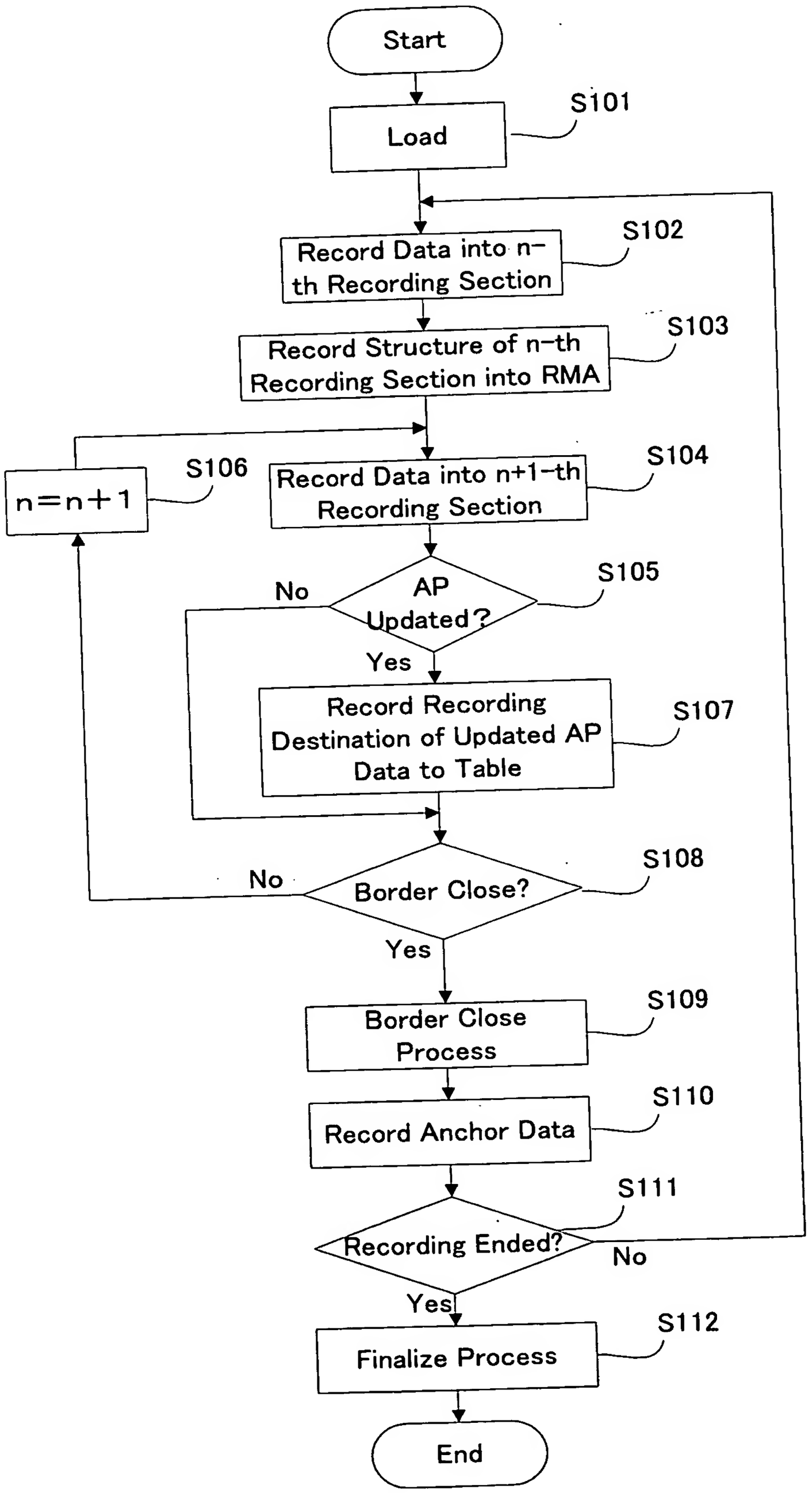
Bit Position	Content
0	Update Block Sector Effective Flag (AP#1)
1	Update Block Sector Effective Flag (AP#2)
2	Update Block Sector Effective Flag (AP#3)
3	Update Block Sector Effective Flag (AP#4)
4 to 7	Reserved

131

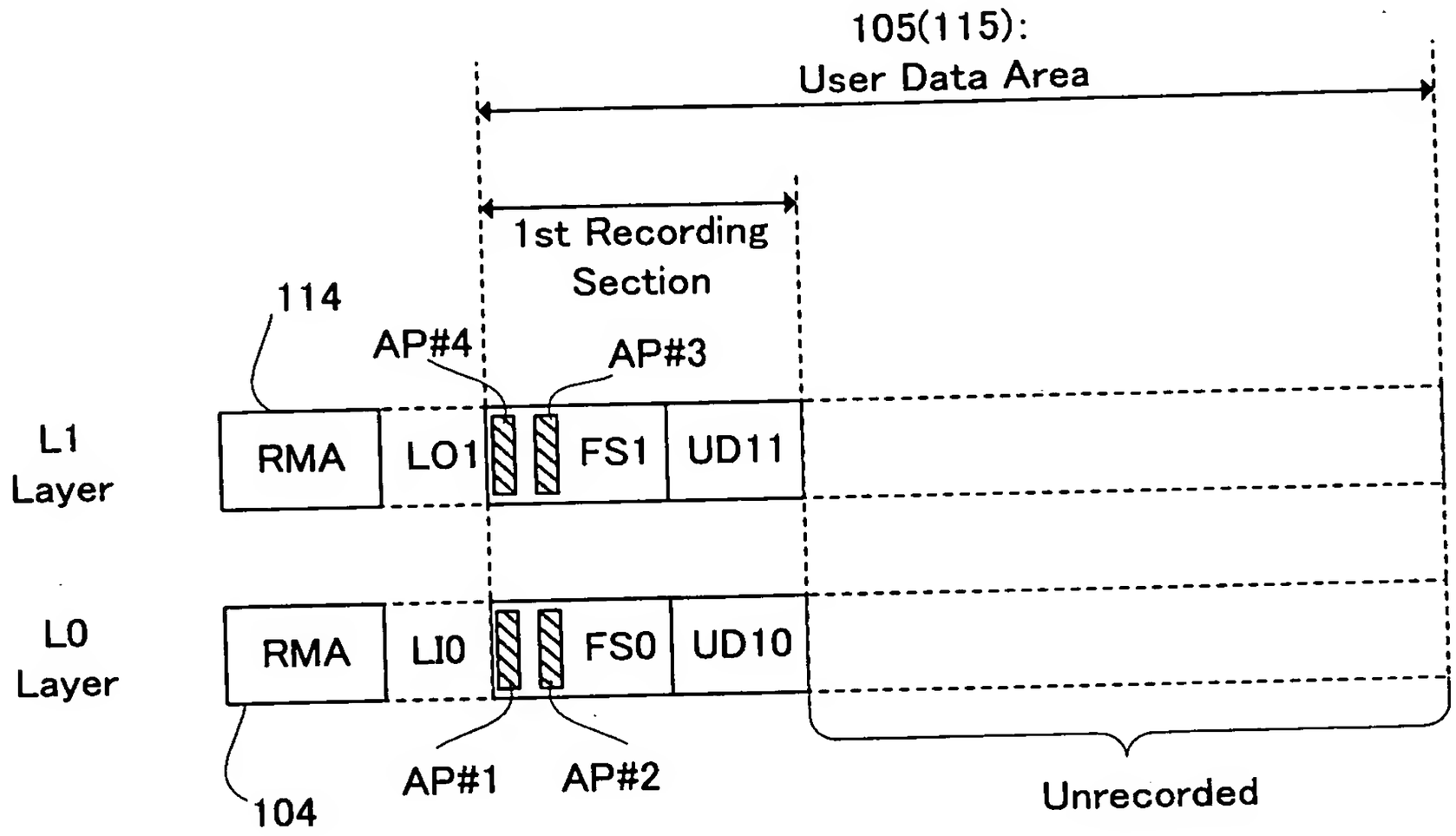
[FIG. 7]


Host Computer: 400
Operation/ Display Control Device
307
Operation Button
310
Display Panel
311
CPU (Host)
359
Memory (Host)
360
Bus(Host)
358
Data Input/ Output Control Device (Host)
308
Data
Disc Drive: 300
CPU (Drive Control Device)
354
Memory (Drive)
355
Data Input/ Output Control Device (Drive)
306
Bus(Drive)
357
Optical Pickup
352
Signal Recording / Reproducing Device
353
Spindle Motor
351
100
200

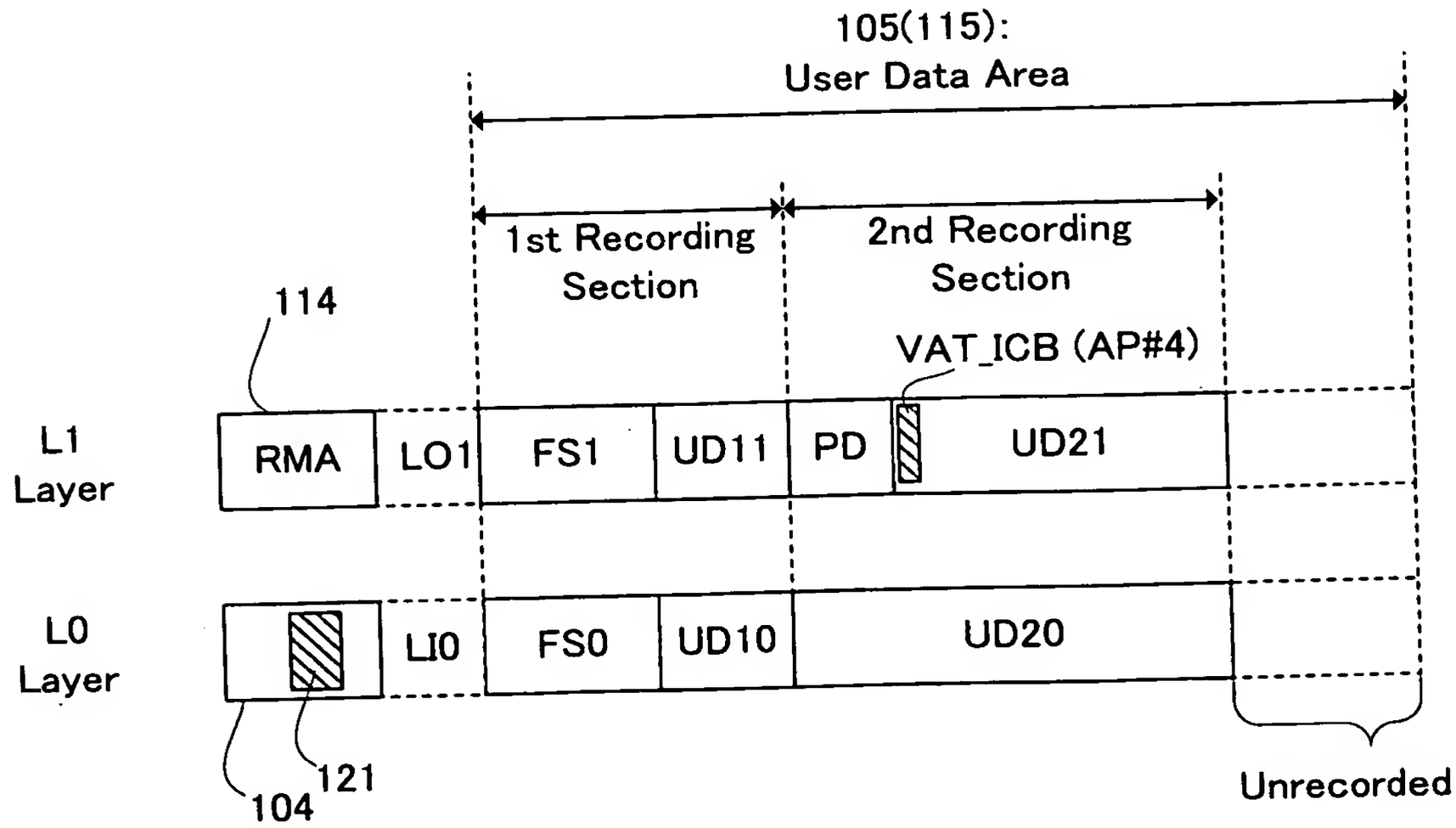
[FIG. 8]


Start
Load
S101
Record Data into n-th Recording Section
S102
Record Structure of n-th Recording Section into RMA
S103
Record Data into n+1-th Recording Section
S104
AP Updated?
S105
No
Yes
Record Recording Destination of Updated AP Data to Table
S107
n=n+1
S106
Border Close?
S108
No
Yes
Border Close Process
S109
Record Anchor Data
S110
Recording Ended?
S111
No
Yes
Finalize Process
S112
End

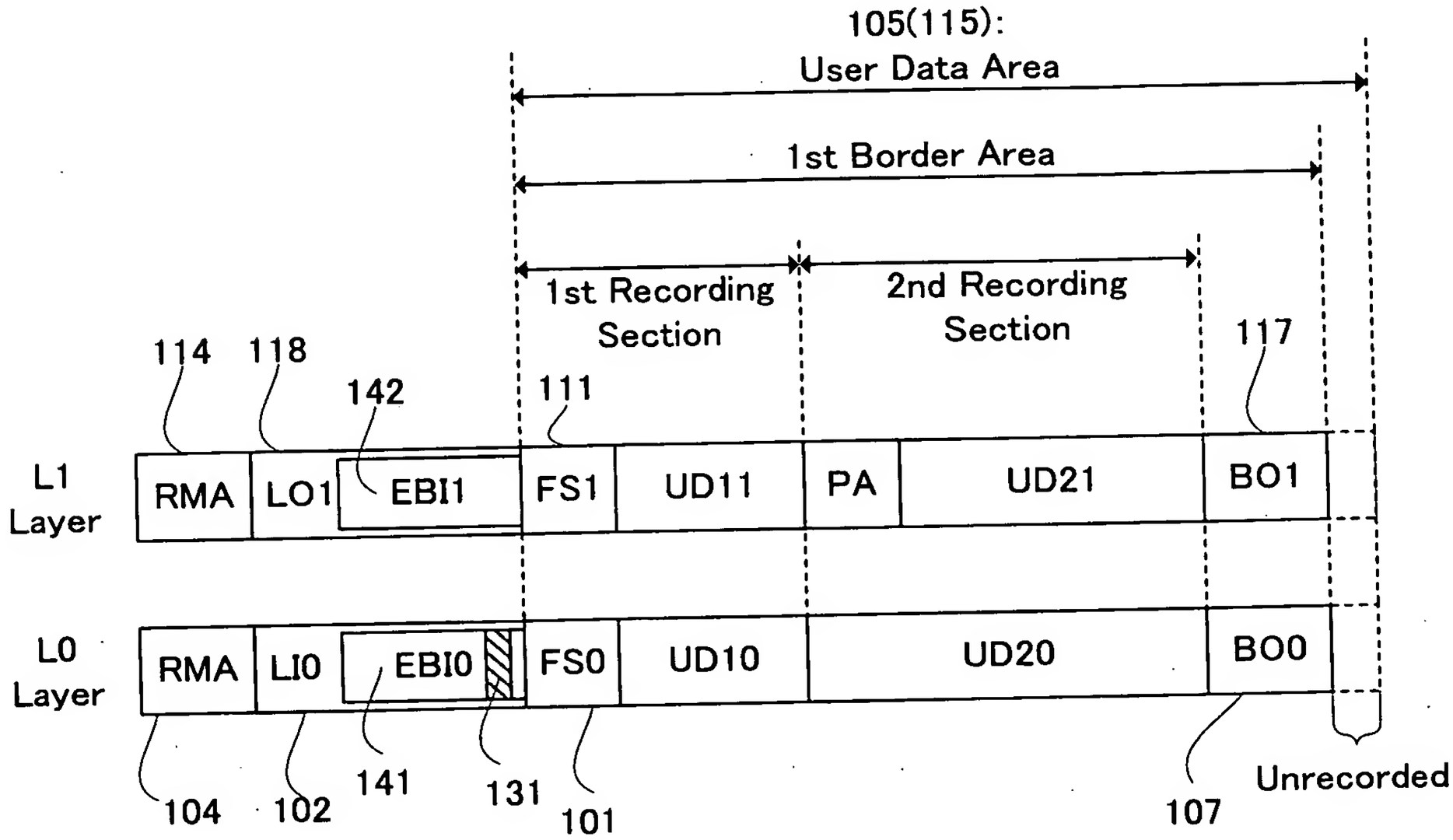
[FIG. 9]


105(115):
User Data Area
1st Recording
Section
114
AP#4
AP#3
L1
Layer
RMA
LO1
FS1
UD11
L0
Layer
RMA
LI0
FS0
UD10
AP#1
AP#2
104
Unrecorded

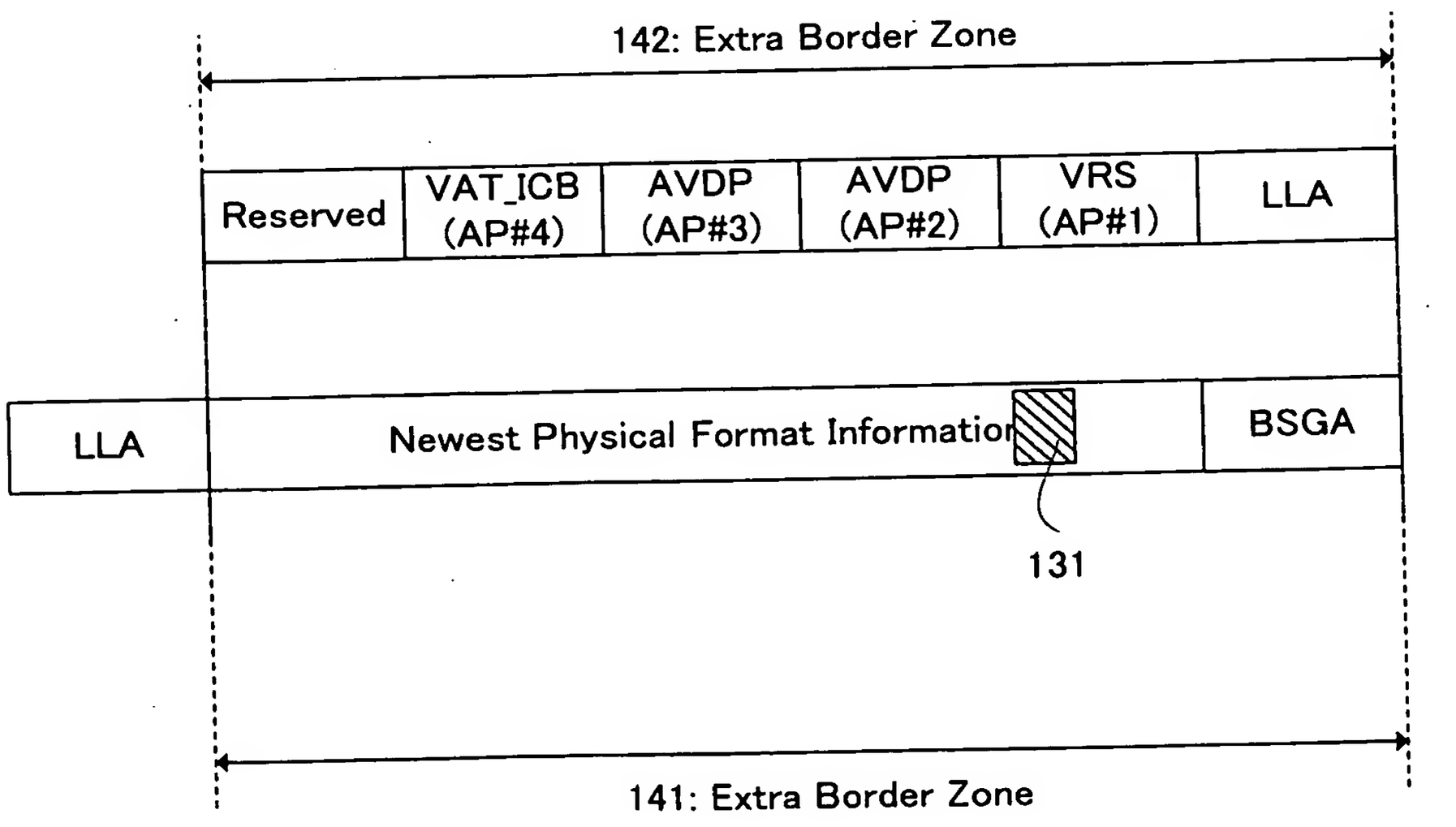
[FIG. 10]


105(115):
User Data Area
1st Recording
Section
2nd Recording
Section
114
VAT_ICB (AP#4)
L1
Layer
RMA
LO1
FS1
UD11
PD
UD21
L0
Layer
LI0
FS0
UD10
UD20
104
121
Unrecorded

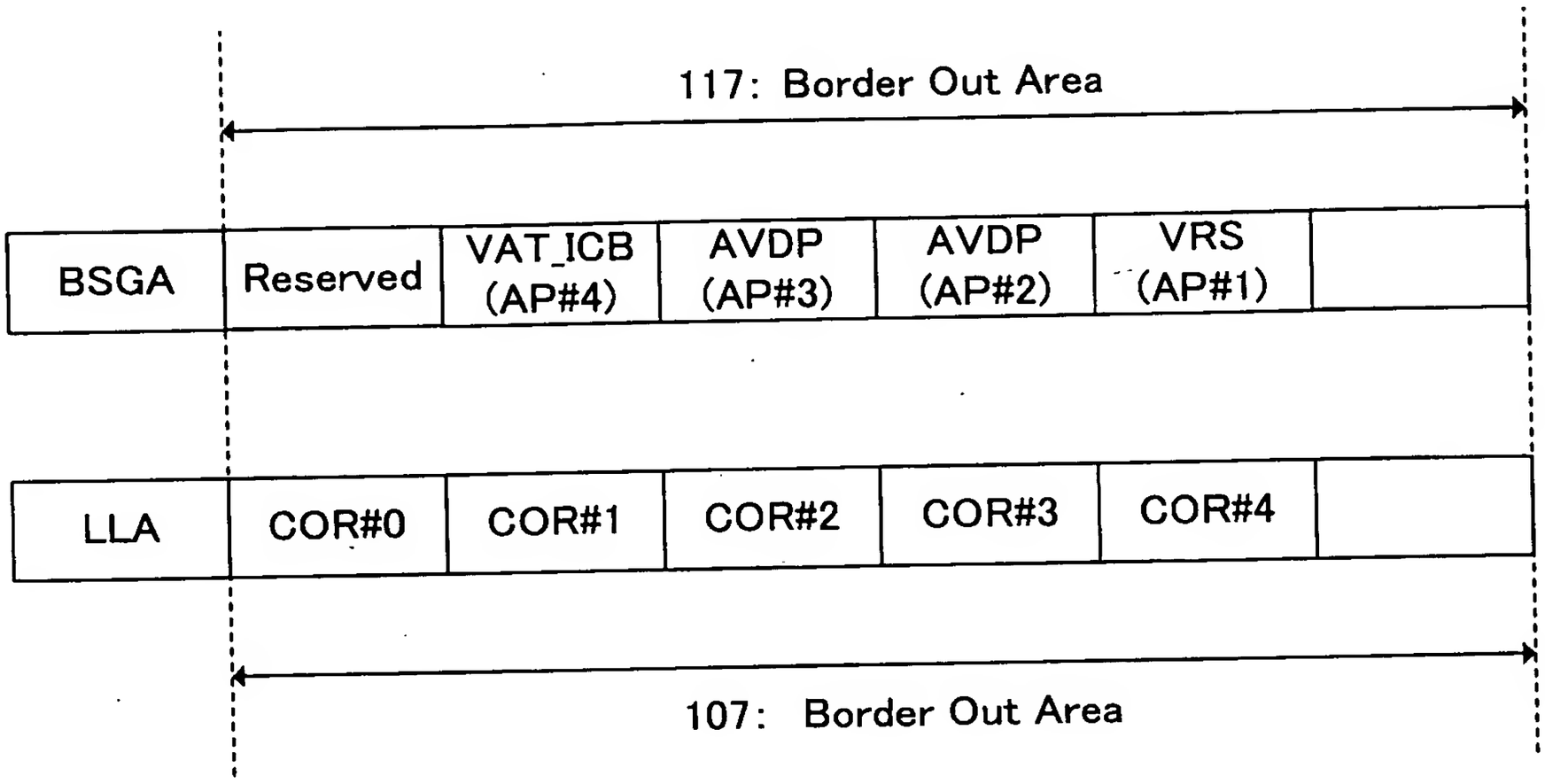
[FIG. 11]


105(115):
User Data Area
1st Border Area
1st Recording Section
2nd Recording Section
114
118
142
111
117
L1 Layer
RMA
LO1
EBI1
FS1
UD11
PA
UD21
BO1
L0 Layer
RMA
LI0
EBI0
FS0
UD10
UD20
BO0
104
102
141
131
101
107
Unrecorded

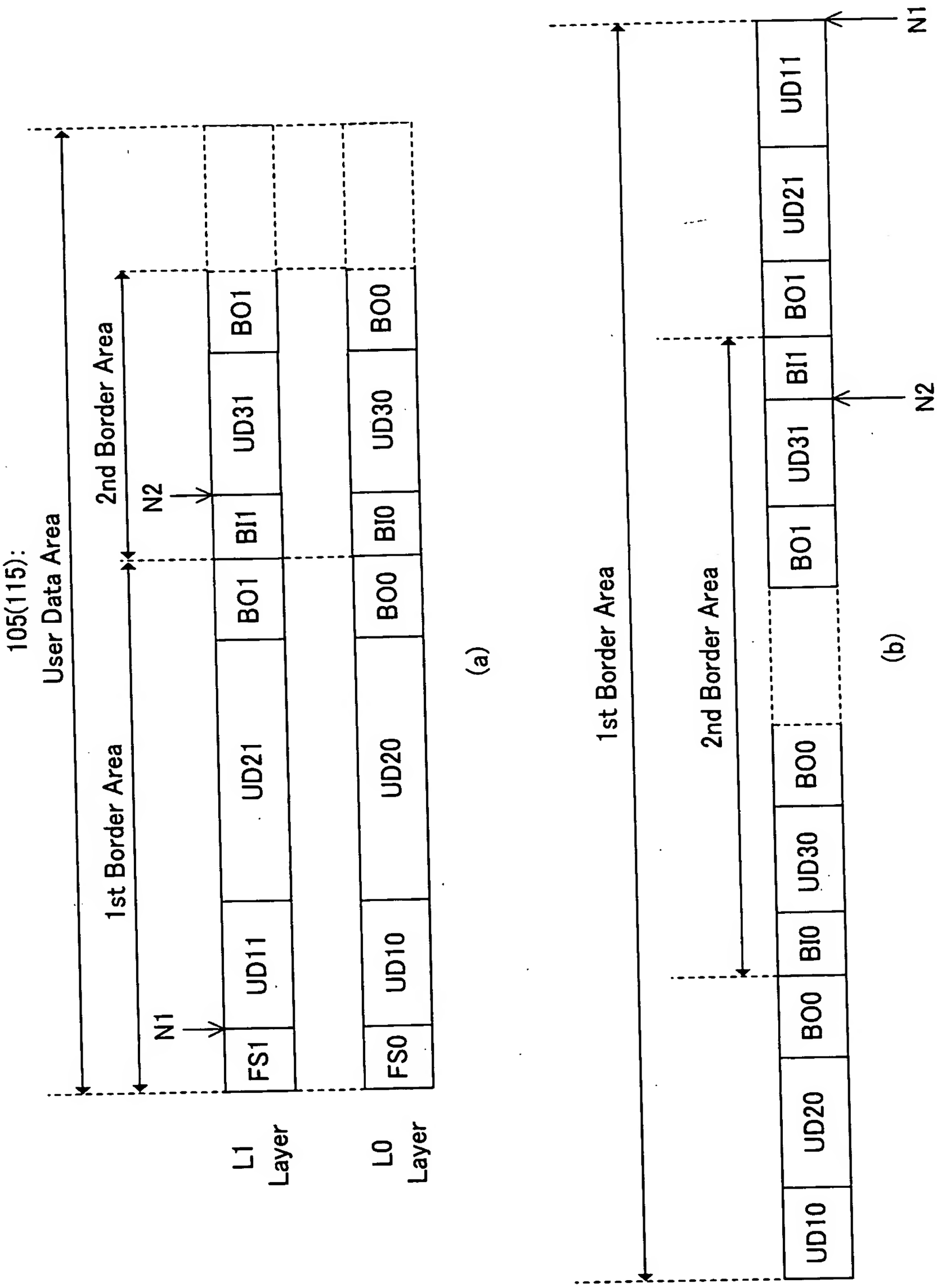
[FIG. 12]


142: Extra Border Zone
Reserved
VAT_ICB (AP#4)
AVDP (AP#3)
AVDP (AP#2)
VRS (AP#1)
LLA
LLA
Newest Physical Format Information
BSGA
131
141: Extra Border Zone

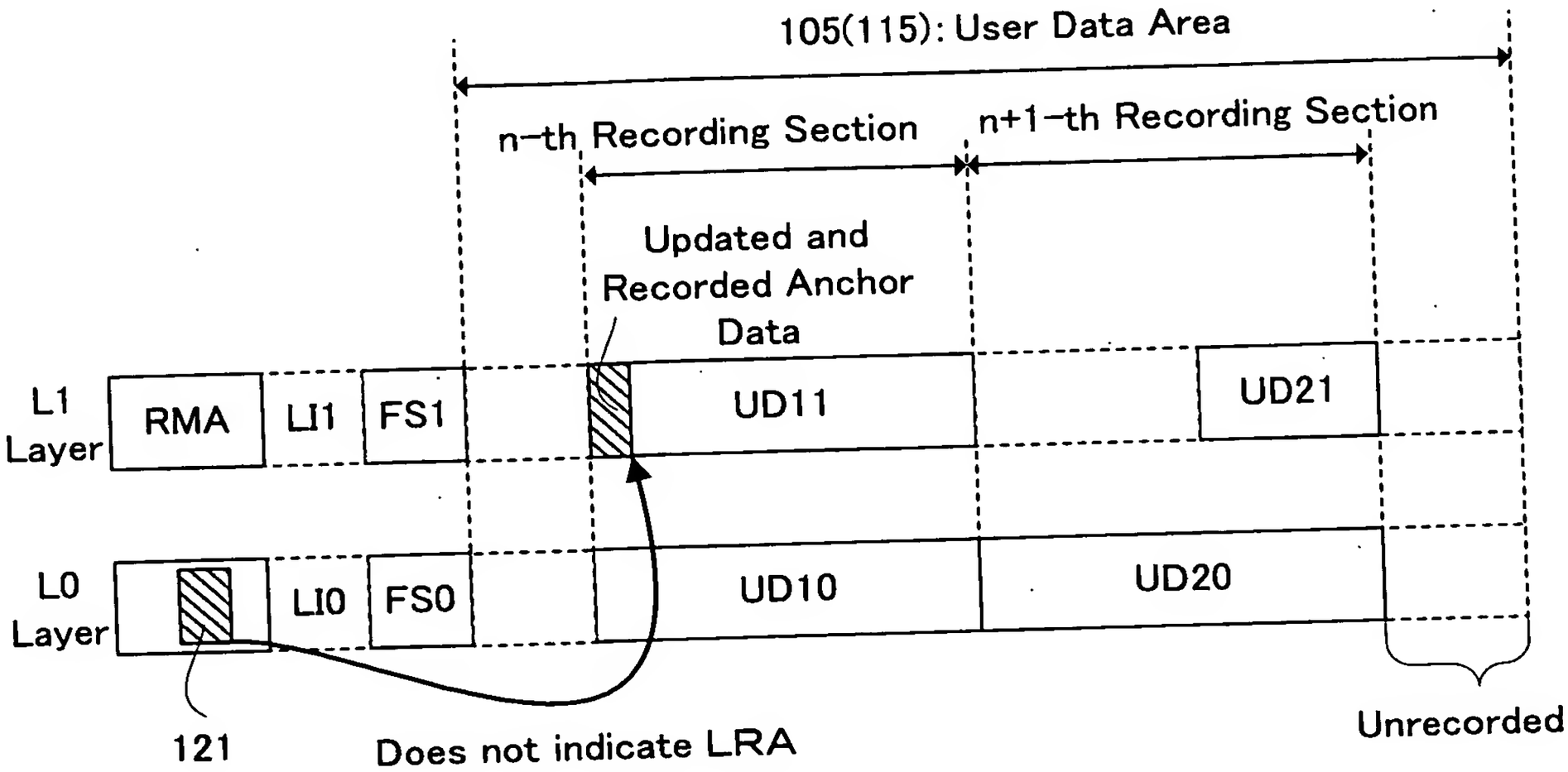
[FIG. 13]


117: Border Out Area
BSGA
Reserved
VAT_ICB (AP#4)
AVDP (AP#3)
AVDP (AP#2)
VRS (AP#1)
LLA
COR#0
COR#1
COR#2
COR#3
COR#4
107: Border Out Area

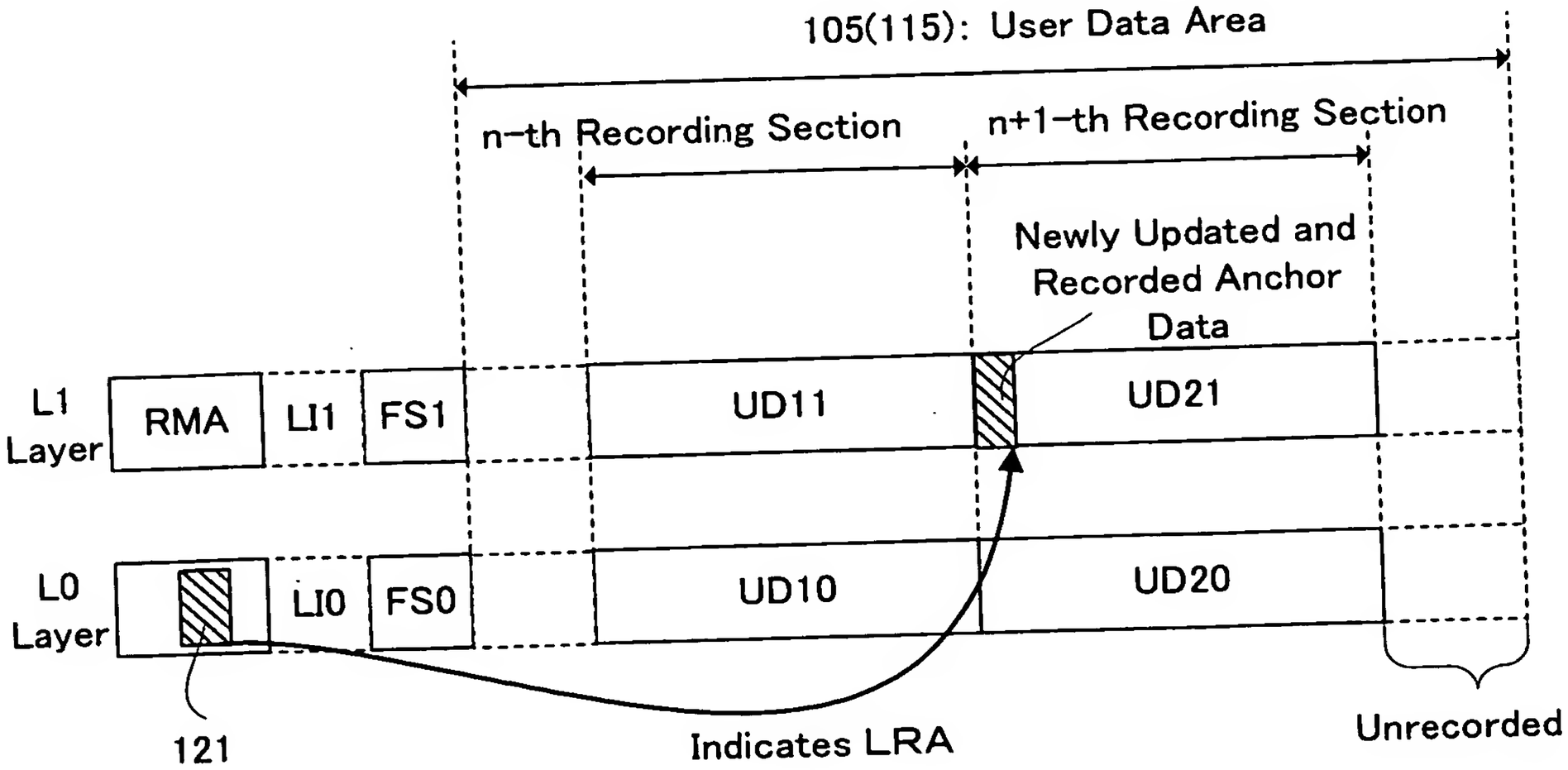
[FIG. 14]


105(115):
User Data Area
1st Border Area
2nd Border Area
N1
N2
FS1
UD11
BO1
UD21
BI1
UD31
FS0
UD10
BO0
UD20
BI0
UD30
L1 Layer
L0 Layer
(a)
(b)

[FIG. 15]

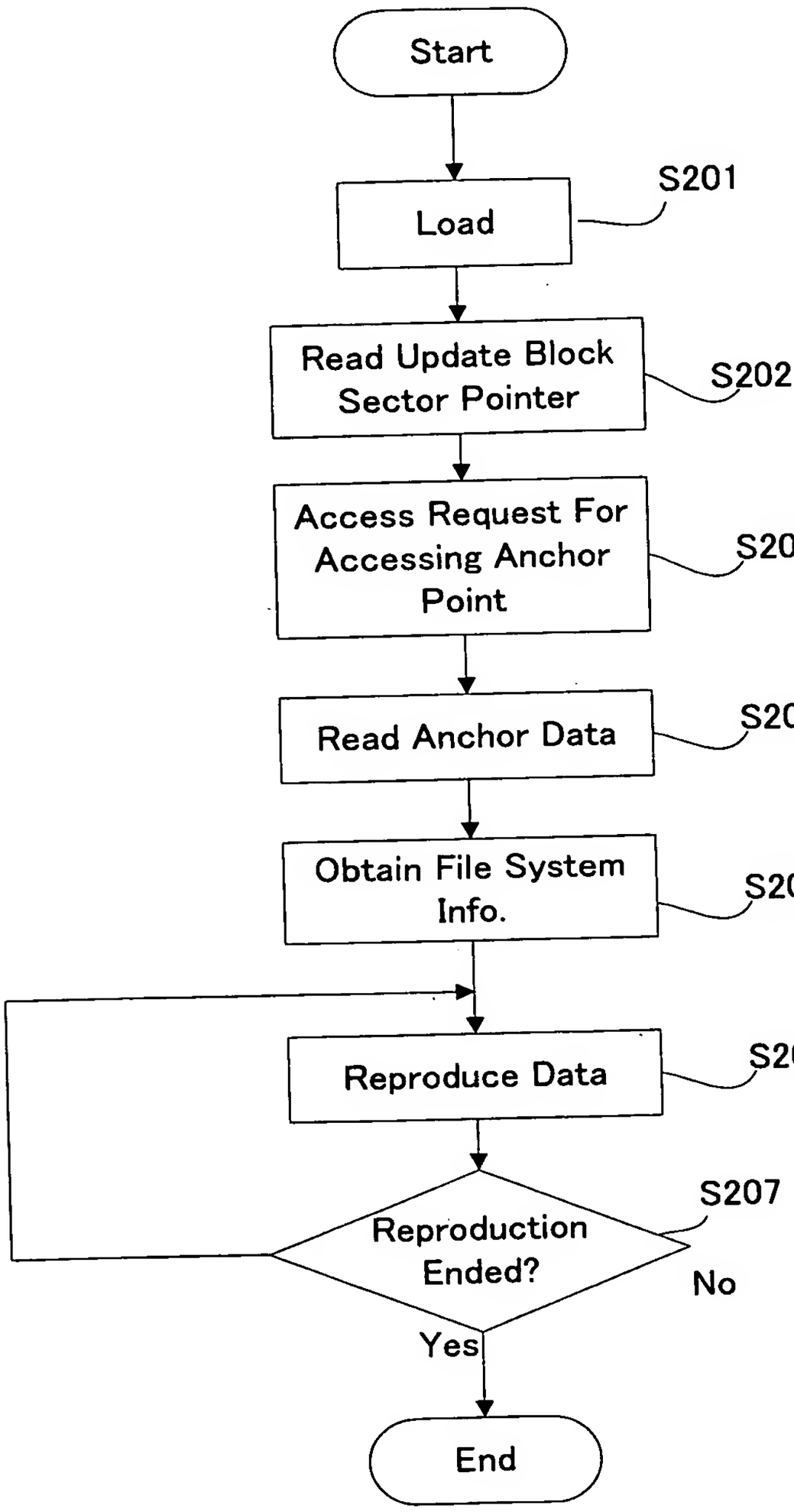

105(115): User Data Area
n-th Recording Section
n+1-th Recording Section
Updated and Recorded Anchor Data
L1 Layer
RMA
LI1
FS1
UD11
UD21
L0 Layer
LI0
FS0
UD10
UD20
121
Does not indicate LRA
Unrecorded

(a)


105(115): User Data Area
n-th Recording Section
n+1-th Recording Section
Newly Updated and Recorded Anchor Data
L1 Layer
RMA
LI1
FS1
UD11
UD21
L0 Layer
LI0
FS0
UD10
UD20
121
Indicates LRA
Unrecorded

(b)

[FIG. 16]


Start
Load
S201
Read Update Block Sector Pointer
S202
Access Request For Accessing Anchor Point
S203
Read Anchor Data
S204
Obtain File System Info.
S205
Reproduce Data
S206
Reproduction Ended?
S207
No
Yes
End

[FIG. 17]

Byte Position	Content	
0 to 3	Update Block Original Sector Address (AP#1)	122
4 to 7	Update Block Original Sector Address (AP#2)	
8 to 11	Update Block Original Sector Address (AP#3)	
12 to 15	Update Block Original Sector Address (AP#4)	
16 to 19	Update Block Sector Pointer (AP#1)	121
20 to 23	Update Block Sector Pointer (AP#2)	
24 to 27	Update Block Sector Pointer (AP#3)	
28 to 31	Update Block Sector Pointer (AP#4)	
32 to 35	Start Sector No. (Border Out #1)	
36 to 39	Start Sector No. (Border Out #2)	
40 to end	Other	